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Direct Dial (804) 550-9243 mwinn@resourceintl.com http://www.resourceintl.com

December 16, 2015

P.N. 94024.03

Mr. Brian Wrenn Virginia Department of Environmental Quality Piedmont Regional Office 4949-A Cox Road Glen Allen, Virginia 23060

RE:

Montross-Westmoreland Wastewater Facility VPDES VA0072729 Permit Renewal Application Sludge Permit Application Form

Dear Mr. Wrenn:

We are pleased to provide to you the above-referenced sludge permit renewal application documents. Please call me at the number shown above if you have any questions.

The documents enclosed are as follows:

- 1. VPDES Sewage Sludge Permit Application Form (Rev. 9/14/12)
- 2. Figure 1. Topographic Map
- 3. Figure 2. Process Flow Diagram with Process Narrative
- 4. Figure 3. Aerial Photograph with Facility Units Identified

Please note that the incomplete analytical data shown in the table in item 8 (p.3) "Pollutant Concentrations" was taken from the month of: Dec. 2014. The plant has taken a sample to be tested for the complete list, and will take two more over the next two months to complete the requirement. These analytical results will be forwarded to your office upon receipt.

We look forward to your review of these documents. Please advise us of any further information you may need to complete your review.

Sincerely,

B. Meredith Winn, Jr., P.E. Senior Process Engineer

B. Markelling

/aw

Enclosures

cc: Norm Risavi – Westmoreland County



SCREENING INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

- 1. All applicants must complete Section A (General Information).
- 2. Will this facility generate sewage sludge? ✓ Yes _No

Will this facility derive a material from sewage sludge? _Yes _No

If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).

3. Will this facility apply sewage sludge to the land? _Yes _No

Will sewage sludge from this facility be applied to the land? _Yes _No

If you answered No to both questions above, skip Section C.

If you answered Yes to either, answer the following three questions:

- a. Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction requirements 1-8, as identified in the instructions?

 __Yes __No
- b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land? $\underline{\ \ }$ Yes $\underline{\ \ \ }$ No
- c. Will sewage sludge from this facility be sent to another facility for treatment or blending? __Yes __No

If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).

If you answered Yes to a, b or c, skip Section C.

4. Do you own or operate a surface disposal site? Yes No (county sweet An Eppwent buses An interpretation of the months of the months of the section D (Surface Disposal).

All applicants must complete this section.

1.	Facility	Information.			
	a.	Facility name: MONTROSS - WESTMORELAND WEST			
	b.	Contact person: WORM ALSAVI			
		Title: COUNTY ADMINISTRATOR			
		Phone: (소리) 보호로 - 613 6			
	c.	Mailing address: County of WESTMORELAND			
		Street or P.O. Box: 1000			
		City or Town: MONTROSS State: VA Zip: 22520			
	d.	Facility location: 160 LYELLS KO, MONTROSS NA			
		Street or Route #: 69)			
		County: Westmanswap			
		City or Town: Montain State: VA Zip: 22520			
	e.	Is this facility a Class I sludge management facility?YesYNo			
	f.				
		Facility design flow rate: mgd Total population served: 460			
	g. h.	Indicate the type of facility:			
	11.	Publicly owned treatment works (POTW)			
		Privately owned treatment works			
		Federally owned treatment works			
		Blending or treatment operation			
		Surface disposal site			
		Other (describe):			
		Other (describe):			
2.	Amaliaa	ant Information If the condition to different from the above would do full min.			
۷.		ant Information. If the applicant is different from the above, provide the following: Applicant name:			
NA	a. b.				
10/14	υ.	Mailing address: Street or P.O. Box:			
		City or Town: State: Zip:			
	_				
	c.	Contact person:			
		Title:			
	.1	Phone: ()			
	d.	Is the applicant the owner or operator (or both) of this facility?			
		owneroperator			
	e.	Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)			
		facility applicant			
3.	D '4 I				
3.	Permit Information. a. Facility's VPDES permit number (if applicable): VA 6672729				
	a.				
	b.	List on this form or an attachment, all other federal, state or local permits or construction approvals received or			
		applied for that regulate this facility's sewage sludge management practices:			
		Permit Number: Type of Permit:			
		<u>N/A</u>			
	Y				
4.	Indian (Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this			
	tacility	occur in Indian Country?Yes <a> No If yes, describe:			

FACILITY NAME: M-W WWTF

VPDES PERMIT NUMBER: V \$ 50 77729

- 5. Topographic Map. Provide a topographic map or maps (or other appropriate maps if a topographic map is unavailable) that shows the following information. Maps should include the area one mile beyond all property boundaries of the facility:
 - a. Location of all sewage sludge management facilities, including locations where sewage sludge is generated, stored, treated, or disposed.
 - b. Location of all wells, springs, and other surface water bodies listed in public records or otherwise known to the applicant within 1/4 mile of the property boundaries.
- 6. Line Drawing. Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction.
- 7. Contractor Information. Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? Yes __No If yes, provide the following for each contractor (attach additional pages if necessary).

Name: REPUBLIC SERVICES

Mailing address: 1321 BELMAN RO.

Street or P.O. Box:

City or Town: FREDERICKSBURG State: VA Zip: 2240)

Phone: (800) 785 2146 ; (540) 373 2016

Contractor's Federal, State or Local Permit Number(s) applicable to this facility's sewage sludge:

If the contractor is responsible for the use and/or disposal of the sewage sludge, provide a description of the service to be provided to the applicant and the respective obligations of the applicant and the contractor(s).

8. Pollutant Concentrations. Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants which limits in sewage sludge have been established in 9 VAC 25-31-10 et seq. for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old.

POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
Arsenic	€0,050	12-18-14	EPA 6010	0.056
Cadmium	< 0.0058	12-18-14	EPA 6010	0,0050
Chromium	< 0,025	12-18-14	Era 6010	0,625
Copper	NOT TESTED			
Lead	<0,025	12-18-14	EPA 6010	0.025
Mercury	IVOT TESTER			
Molybdenum	NOTTEFFE			
Nickel	HETTESTED			
Selenium	< 0,10	12-18-14	EPA 6010	0.10
Zinc	EVOT TESTED			

9.	Certification. Read and submit the following certification statement with this application. Refer to the instructions to
	determine who is an officer for purposes of this certification. Indicate which parts of the application you have
	completed and are submitting:

V	Section A (General Information)
1	Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)
	Section C (Land Application of Bulk Sewage Sludge)
	Section D (Surface Disposal)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of Name and official title NORM RISAVI COUNTY SPRINGSTRATOR
Signature Date Signed Dec. 10, 2015 fine and imprisonment for knowing violations.

Telephone number 804, 493, 0130

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

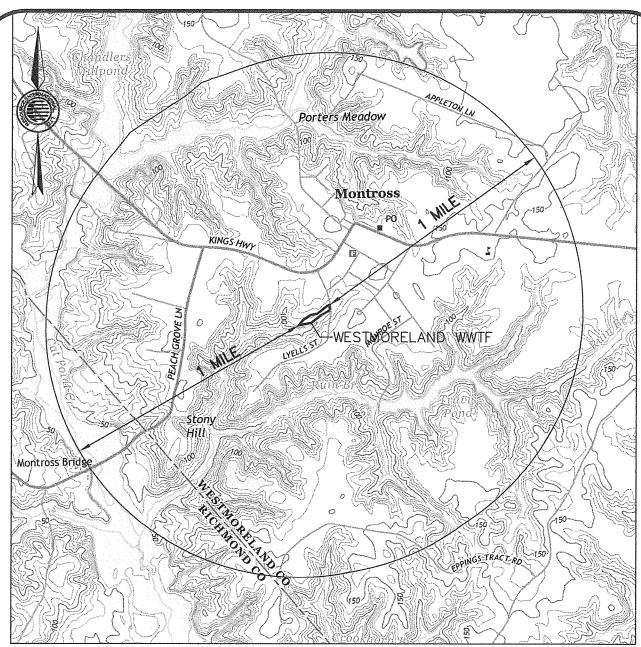
Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1.	Amount Generated On Site. Total dry metric tons per 365-day period generated at your facility: 5.27 dry metric tons			
2. N/A	Amount Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or disposal, provide the following information for each facility from which sewage sludge is received. If you receive sewage sludge from more than one facility, attach additional pages as necessary. a. Facility name: b. Contact Person: Title: Phone ()			
	c. Mailing address: Street or P.O. Box:			
	City or Town: State: Zip: d. Facility Address:			
	(not P.O. Box) e. Total dry metric tons per 365-day period received from this facility: dry metric tons			
	f. Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:			
3.	Treatment Provided at Your Facility. a. Which class of pathogen reduction is achieved for the sewage sludge at your facility? Class AClass BNeither or unknown			
	b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: A EROBIC DIGESTION			
	 c. Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) 			
	Option 8 (90 percent solids with unstabilized solids)			
	 ✓ None or unknown d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge: AEROVIC BIGGSTION 			
	e. Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including blending, not identified in a - d above:			
4.	Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements and One of Vector Attraction Reduction Options 1-8 (EQ Sludge).			
	(If sewage sludge from your facility does not meet all of these criteria, skip Question 4.) a. Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land:			
	 M/A dry metric tons b. Is sewage sludge subject to this section placed in bags or other containers for sale or give-away? _Yes ✓No 			
5.	Sale or Give-Away in a Bag or Other Container for Application to the Land.			
N/A	(Complete this question if you place sewage sludge in a bag or other container for sale or give -away prior to land application. Skip this question if sewage sludge is covered in Question 4.)			
Ē.	a. Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility			

FACILI	TY NAM	E: M-W WWTF VPDES PERMIT NUMBER: VA 0 0 72729
		for sale or give-away for application to the land: African dry metric tons
	b.	Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land.
6.	Shipme	nt Off Site for Treatment or Blending.
MA	(Comple This question	ete this question if sewage sludge from your facility is sent to another facility that provides treatment or blending lestion does not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this in if the sewage sludge is covered in Questions 4 or 5. If you send sewage sludge to more than one facility, attach nal sheets as necessary.)
	a.	Receiving facility name:
	b.	Facility contact: Title: Phone: ()
	c.	Mailing address: Street or P.O. Box:
		City or Town:State:Zip:
	d.	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: dry metric tons
	e.	List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal practices:
		Permit Number: Type of Permit:
	f.	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your
		facility?YesNo Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?Class AClass BNeither or unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge:
	g.	Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge?YesNo
		Which vector attraction reduction option is met for the sewage sludge at the receiving facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 3 (Aerobic process, with bench-scale demonstration)
		Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 6 (Raise pH to 12 and retain at 11.5)
		Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge:
	h.	Does the receiving facility provide any additional treatment or blending not identified in f or g above? YesNo
		If yes, describe, on this form or another sheet of paper, the treatment processes not identified in f or g above:
	i.	If you answered yes to f., g or h above, attach a copy of any information you provide to the receiving facility to comply with the "notice and necessary information" requirement of 9 VAC 25-31-530.G.
	j	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land?YesNo
	k.	If yes, provide a copy of all labels or notices that accompany the product being sold or given away. Will the sewage sludge be transported to the receiving facility in a truck-mounted watertight tank normally used for such purposes? Yes No. If no, provide description and specification on the vehicle used to transport the sewage sludge to the receiving facility. Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of the

7.	(Complete Question 7.a if sewage sludge from your facility is applied to the land, unless the sewage sludge is Questions 4, 5 or 6; complete Question 7.b, c & d only if you are responsible for land application of sewage slu		
MA	a.	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:dry metric tons	
	b.	Do you identify all land application sites in Section C of this application?YesNo If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in	
	c.	accordance with the instructions). Are any land application sites located in States other than Virginia?YesNo If yes, describe, on this form or on another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.	
	d.	Attach a copy of any information you provide to the owner or lease holder of the land application sites to comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H (Examples may be obtained in Appendix IV).	
8.		e Disposal.	
VA	(Comp a.	lete Question 8 if sewage sludge from your facility is placed on a surface disposal site.) Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal sites: dry metric tons	
•	b.	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? YesNo	
		If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one surface disposal site, attach additional pages as necessary.	
	c. d.	Site name or number: Contact person:	
	u.	Title: Phone: () Contact is:Site OwnerSite operator	
	e.	Mailing address. Street or P.O. Box:	
	f.	City or Town:State:Zip: Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposal site: dry metric tons	
	g.	List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the surface disposal site:	
		Permit Number: Type of Permit:	
			
9.	Incine		
NA	(Comp	lete Question 9 if sewage sludge from your facility is fired in a sewage sludge incinerator.)	
1	a.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge	
	b.	incinerator: dry metric tons Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?YesNo	
		If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.	
	C.	Incinerator name or number:	
	d.	Contact person: Title:	
		Phone: ()	
		Contact is:Incinerator OwnerIncinerator Operator	
	e.	Mailing address.	
		Street or P.O. Box:	

ILITYN	IAME: MONTROSS-WESTMORELEND WWTF	VPDES PERMIT NUMBER: VA 00 72729
	City or Town:State:	Zip:
f.	Total dry metric tons per 365-day period of seincinerator: dry metric tor	wage sludge from your facility fired in this sewage sludge
g.		s of all other federal, state or local permits that regulate the firing
		Type of Permit:
	-	
Disi	posal in a Municipal Solid Waste Landfill.	
(Confolio	mplete Question 10 if sewage sludge from your faciliowing information for each municipal solid waste lai age sludge is placed on more than one municipal soli	ity is placed on a municipal solid waste landfill. Provide the ndfill on which sewage sludge from your facility is placed. If id waste landfill, attach additional pages as necessary.)
a.	Landfill name: KING & QUEEN SANITARY LA	shown (VELNGTIC ZEUNCES)
b.	Contact person: UNKNGWN Title:	
	Diames (0.0) 7 65 27 ml	
	Contact is:Landfill OwnerLandfill Ope	erator UNIX NOWN
c.	Mailing address.	••••
0.	Street or P.O. Box: 4445 IR15 Ro.	
	City or Town: LITTLE PLYMOUTH State: V.	7in. 23091
d.	Landfill location.	
a.	Street or Route #:4445 IRD RP.	
	County: KING SQUEEN	
	City or Town: LITTLE PLYMOUTH State: V	4 7in. 2364
	Total day matrix tana non 265 day naried of say	wage sludge placed in this municipal solid waste landfill:
e.	fotal dry metric tons per 303-day period of se	
c	List on this form on attachment the number	rs of all federal, state or local permits that regulate the operatio
f.	of this municipal solid waste landfill.	
	Permit Number:	Type of Permit:
	PRO 40937	7-5
g.		nents in the Virginia Solid Waste Management Regulation, 9 of materials disposed in a municipal solid waste landfill?
h.	Does the municipal solid waste landfill comply Management Regulation, 9 VAC 20-80-10 et s	y with all applicable criteria set forth in the Virginia Solid Waste eg.? Y Yes No
i.	Will the vehicle bed or other container used to be watertight and covered? Yes No	transport sewage sludge to the municipal solid waste landfill
	Show the haul route(s) on a location map or b	riefly describe the route below and indicate the days of the wee nsported. BAULINE DENSE DURING NORMA BUSINESS BU
	HAUL ROUTE TO	RAGLE
	SR 681 N 70 5R	
	5R3 = TO US 360	
	US366 W TO US17	12; 5R 610; SR 614; 5R 609.
	US-17 8 10 -27	manus , software some



U.S.G.S. 7.5 MINUTE SERIES QUADRANGLE MONTROSS, VIRGINIA, 2013

SCALE: 1" = 2,000'



WESTMORELAND COUNTY

FIGURE 1
SITE LOCATION AND
TOPOGRAPHIC MAP
MONTROSS-WESTMORELAND WWTF
WESTMORELAND COUNTY, VIRGINIA
OCTOBER 15, 2015



NOTE: ALL LOCATIONS ARE APPROXIMATE.

ENGINEERS • SCIENTISTS • SURVEYORS • PLANNERS
P.O. BOX 6160 • 9560 KINGS CHARTER DRIVE • ASHLAND, VA 23005
(804) 550-9200 • FAX (804) 550-9259



MONTROSS-WESTMORELAND WWTF WESTMORELAND COUNTY, VIRGINIA OCTOBER 15, 2015 AERIAL VIEW FIGURE 3



ENGINEERS • SCIENTISTS • SURVEYORS • PLANNERS
9560 KINGS CHARTER DRIVE 870 GREENBRIER CIRCLE
P.O. BOX 6160
ASHLAND, VA 23005
(504) 550-9200
FAX (804) 550-9259
FAX (757) 873-7712